ABSTRACT OF THE DISCLOSURE

As for a method for measuring a steering angle of a steering shaft for a vehicle, a first rotatable body that rotates together with the steering shaft at an r1 ratio, and a second rotatable body that rotates together with the steering shaft at an r2 ratio are used. An absolute rotational angle of the first rotatable body, Ψ, can be expressed as $\Psi' + i\Omega$, and an absolute rotational angle of the second rotatable body, θ, can be expressed as $\theta' + i\Omega$. Ψ' and θ' are measured by means of an angle sensor whose measurement range is Ω. To obtain the steering angle Φ of the steering shaft, measurement values Ψ_M' and for θ_M' of Ψ' and θ' are obtained, and from a relation between Ψ' and θ', a plurality of θ's corresponding to the Ψ_M' value is calculated to yield a θ_C'. By comparing the θ_M' to the θ_C', an i-value of the first rotatable body is obtained. The obtained i-value is then used for obtaining an absolute rotational angle Ψ of the first rotatable body. Finally, from a relation between Ψ and θ, the steering angle Φ of the steering shaft is obtained.